WHAT IS CLAIMED IS:

1. An X-ray CT scanner comprising:

a gantry for collecting projection data about a patient;

a reconstruction portion for reconstructing multislice image data or volumetric image data from said projection data at a given matrix size;

a storage portion for storing said reconstructed image data;

an input portion for entering a user's instruction regarding magnification or demagnification of image; and

an image processing portion for converting the matrix size of said stored image data into a matrix size corresponding to said user's instruction and varying an image slice thickness of said storage image data into an image slice thickness corresponding to said user's instruction.

2. The X-ray CT scanner of claim 1, wherein the matrix size corresponding to said user's instruction is equal to or lower than the matrix size of said stored image data.

3. The X-ray CT scanner of claim 1, wherein the image slice thickness corresponding to said user's instruction is equal to or greater than the image slice thickness of said stored image data.

4. The X-ray CT scanner of claim 1, wherein said

image processing portion enhances high-frequency components of said stored image data according to said user's instruction.

5. The X-ray CT scanner of claim 4, wherein said image processing portion enhances said high-frequency components relatively weakly when a user's instruction corresponding to a relatively high image magnification factor is entered and enhances said high-frequency components relatively strongly when a user's instruction corresponding to a relatively low image magnification factor is entered.

6. The X-ray CT scanner of claim 1, wherein said image processing portion sets said image slice thickness to a relatively small value when a user's instruction corresponding to a relatively high image magnification factor is entered and sets said image slice thickness to a relatively large value when a user's instruction corresponding to a relatively low image magnification factor is entered.

7. The X-ray CT scanner of claim 1, wherein said image processing portion sets the number of slices in said image data to a relatively small number when a user's instruction corresponding to a relatively high image magnification factor is entered and sets said number of slices to a relatively large number when a user's instruction corresponding to a relatively low image magnification factor is entered.

8. The X-ray CT scanner of claim 7, wherein said image processing portion sets the number of slices to 1 when a user's instruction corresponding to an image magnification factor of unity is entered.

9. The X-ray CT scanner of claim 1, wherein said image processing portion maintains the matrix size of said stored image data when a user's instruction corresponding to an image magnification factor of unity is entered.

10. The X-ray CT scanner of claim 1, wherein a numerical value indicative of an image magnification factor is entered or plural buttons corresponding to plural image magnification factors are selectively clicked as said user's instruction.

11. An image processor comprising:

a storage portion for storing multislice image data or volumetric image data about a patient;

an input portion for entering a user's instruction regarding magnification or demagnification of image; and

an image processing portion for converting a matrix size of said stored image data into a matrix size corresponding to said user's instruction and varying an image slice thickness of said stored image data into an image slice thickness corresponding to said user's instruction.

12. The image processor of claim 11, wherein the

matrix size corresponding to said user's instruction is equal to or lower than the matrix size of said stored image data.

13. The image processor of claim 11, wherein the image slice thickness corresponding to said user's instruction is equal to or greater than the image slice thickness of said stored image data.

14. The image processor of claim 11, wherein said image processing portion enhances high-frequency components of said stored image data according to said user's instruction.

15. The image processor of claim 14, wherein said image processing portion enhances said high-frequency components relatively weakly when a user's instruction corresponding to a relatively high image magnification factor is entered and enhances said high-frequency components relatively strongly when a user's instruction corresponding to a relatively low image magnification factor is entered.

16. The image processor of claim 11, wherein said image processing portion sets said image slice thickness to a relatively small value when a user's instruction corresponding to a relatively high image magnification factor is entered and sets said image slice thickness to a relatively large value when a user's instruction corresponding to a relatively low image magnification factor is entered.

17. The image processor of claim 11, wherein said image processing portion sets the number of slices of said image data to a relatively small number when a user's instruction corresponding to a relatively high image magnification factor is entered and sets said number of slices to a relatively large number when a user's instruction corresponding to a relatively low image magnification factor is entered.

18. The image processor of claim 17, wherein said image processing portion sets said number of slices to 1 when a user's instruction corresponding to an image magnification factor of unity is entered.

19. The image processor of claim 11, wherein said image processing portion maintains the matrix size of said stored image data when a user's instruction corresponding to an image magnification factor of unity is entered.

20. The image processor of claim 11, wherein a numerical value indicative of an image magnification factor is entered or plural buttons corresponding to plural image magnification factors are selectively clicked as said user's instruction.